# Course Material
# SimScale

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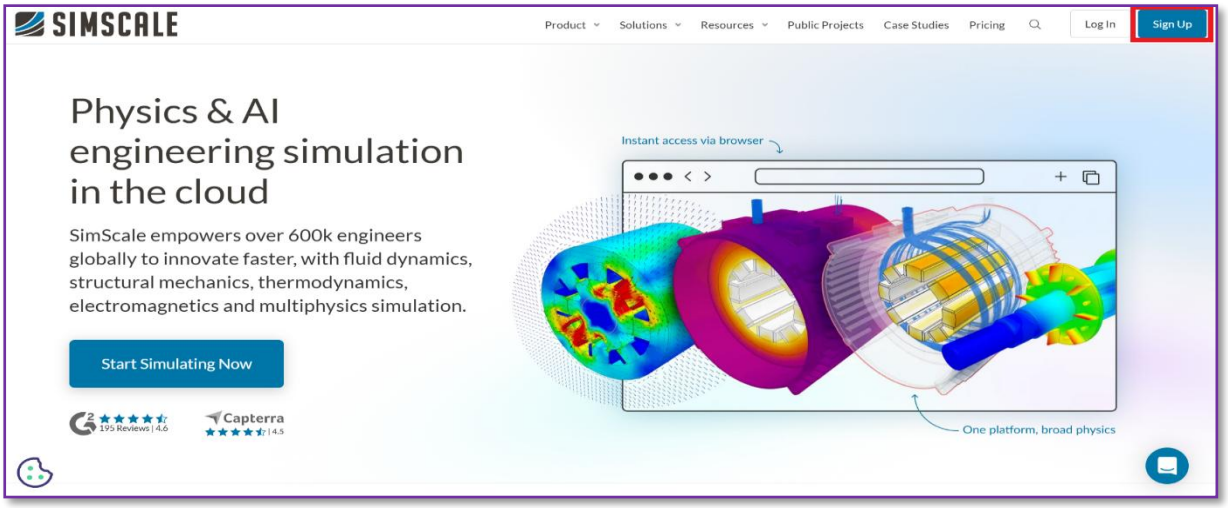
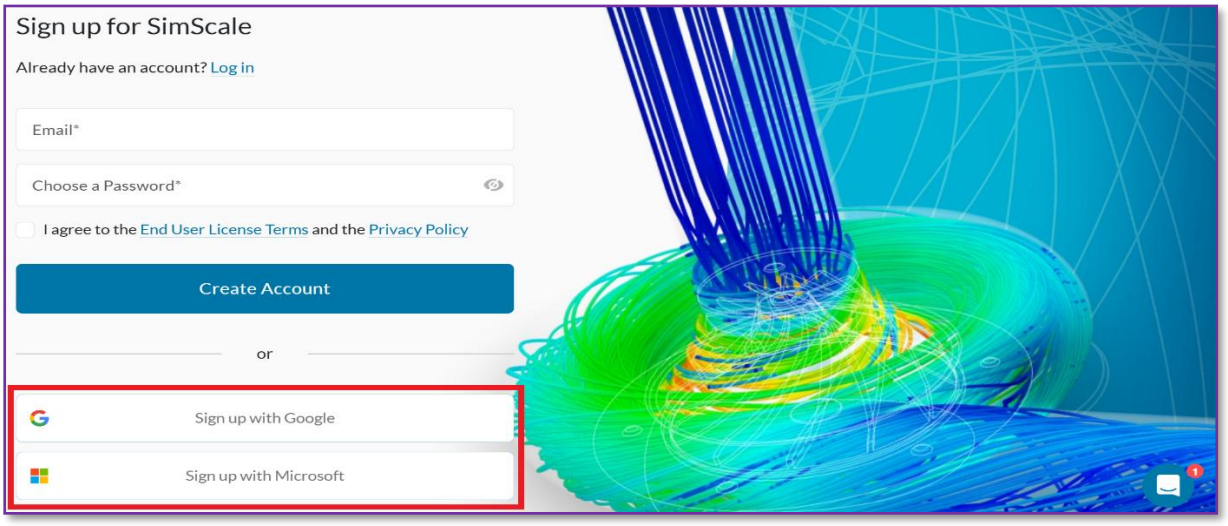
## Installation

### Sign Up/Log In:

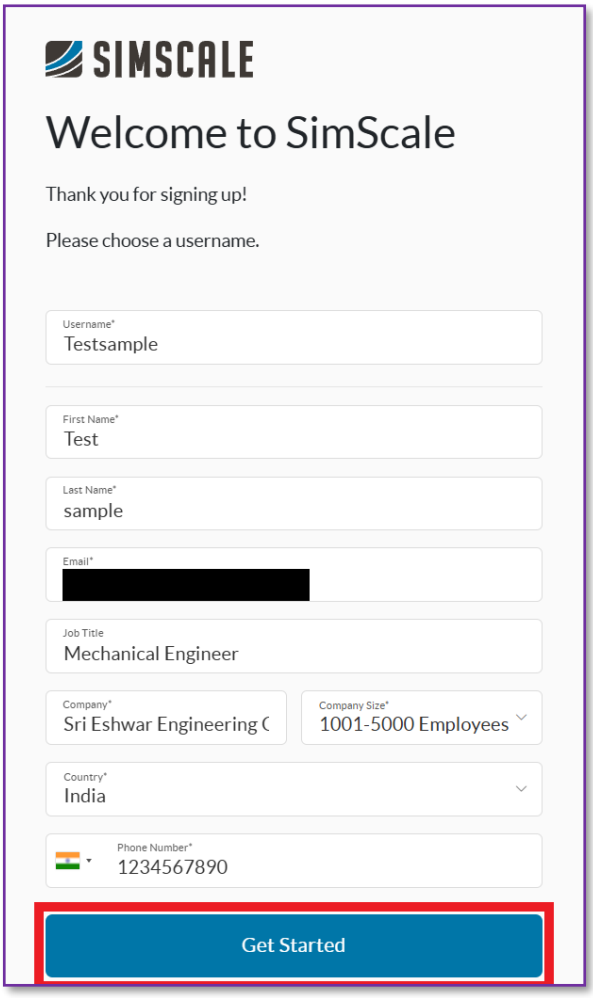
1. Go to https://www.simscale.com/
2. Click on "**Sign Up**" to create an account.



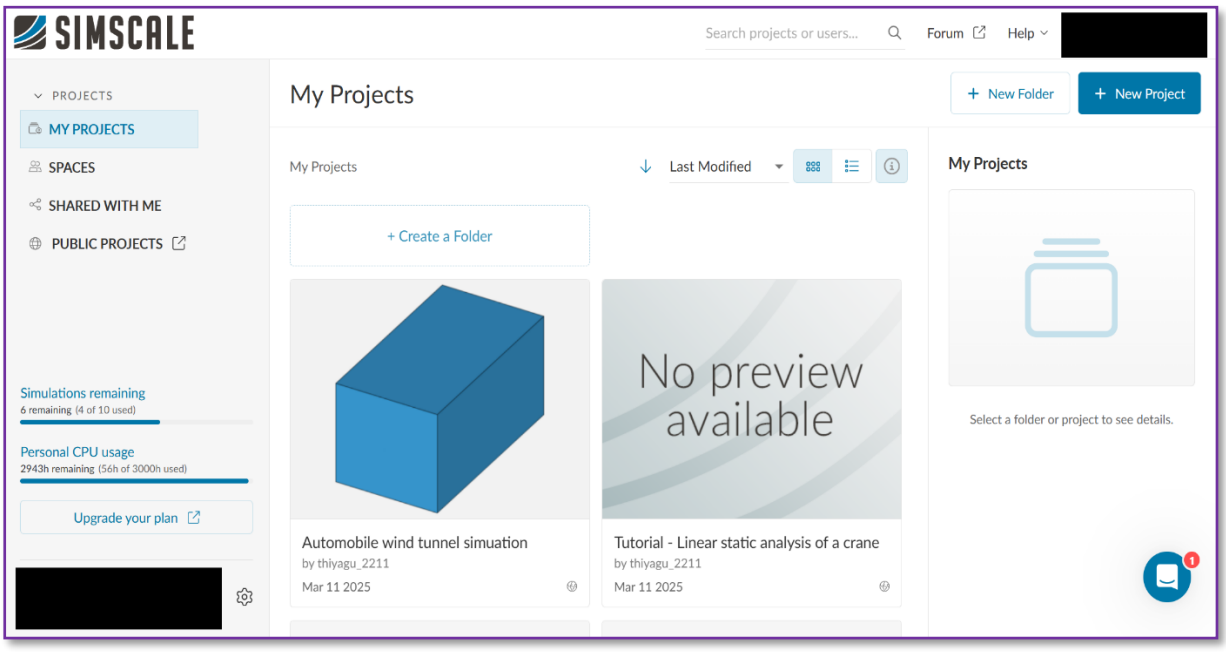

3. Select the appropriate option: "**Sign up with Google**" or "**Sign up with Microsoft (Outlook).**"



4. Fill in your details in the registration form and click "**Get Started**" to complete the Sign up process.
   **Note:** Use your college details for Job Title, Company, and Company Size.




5. After signing up, you will be redirected to the SimScale dashboard page.

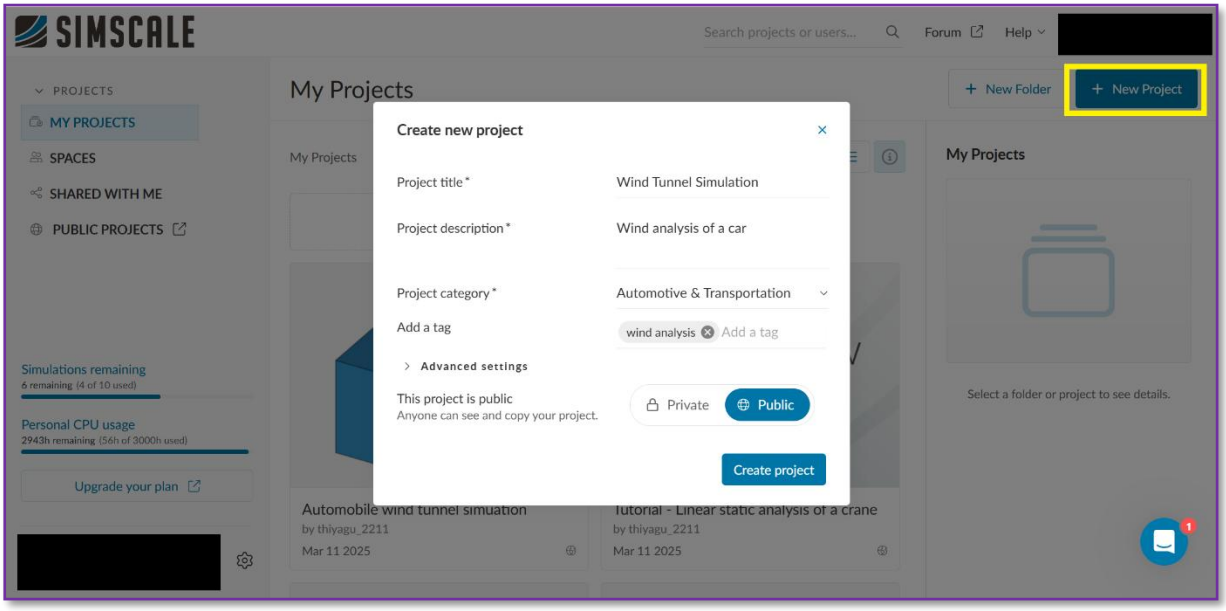


## Basic Navigation Controls

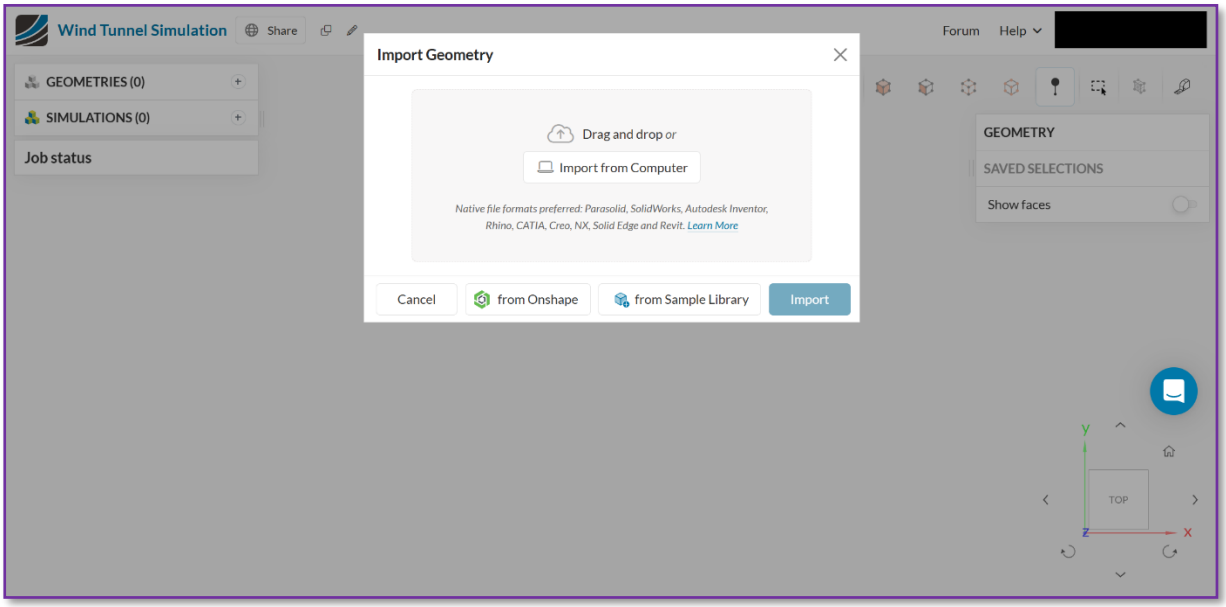
- **Zoom** → Use the **mouse scroll** to zoom in and out.
- **Free Rotate** → Hold **left mouse button** to freely rotate the view.
- **Pan** → Hold **Middle mouse click** to pan across the workbench.

## SimScale workbench

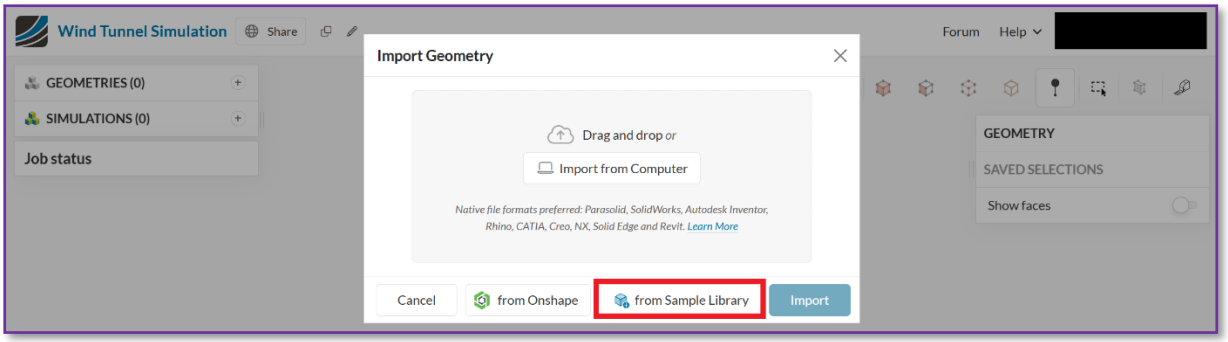
1. Click on +New Project and enter your project details to create a new project.

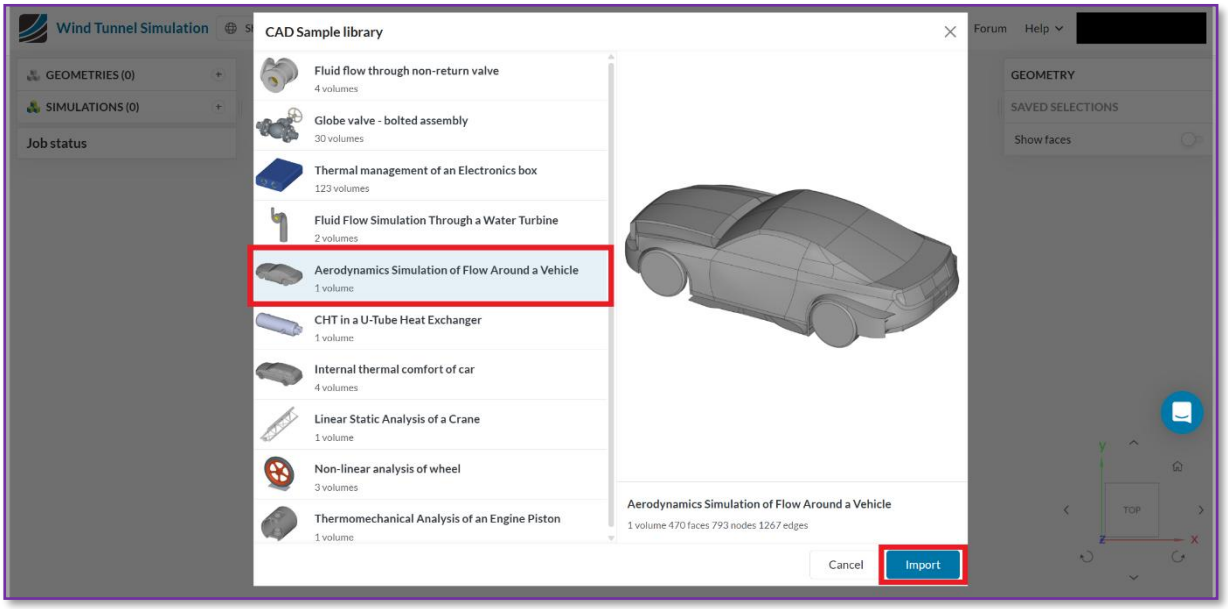



2. The SimScale workbench will launch, allowing you to upload your own 3D model for analysis or use models from the SimScale library for testing.




3. Click on "**from Sample Library**", select "**Aerodynamics Simulation of Flow Around a Vehicle**", and then click "**Import**" to add the 3D model to your project.




4. Follow the SimScale Tutorial documentation for a detailed step by step procedure for running the simulation and generating results. https://www.simscale.com/docs/tutorials/aerodynamic-simulation-vehicle/
5. Click on "**Help**" in the SimScale Workbench to access **Tutorials, Documentation, and the Learning Center**.